

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-50090-2

Client Project/Site: Compton, CA

For:

CBS Corporation

20 Stanwix Street

Pittsburgh, Pennsylvania 15222-1384

Attn: Mr. Leo M. Brausch



Authorized for release by:

5/7/2015 8:08:07 AM

Nathan Pietras, Project Manager II

(330)966-8296

nathan.pietras@testamericainc.com

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Method Summary . . . . .	6
Sample Summary . . . . .	7
Detection Summary . . . . .	8
Client Sample Results . . . . .	9
Surrogate Summary . . . . .	10
QC Sample Results . . . . .	11
QC Association Summary . . . . .	12
Lab Chronicle . . . . .	13
Certification Summary . . . . .	14
Chain of Custody . . . . .	15

## Definitions/Glossary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

TestAmerica Canton

## Case Narrative

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

Job ID: 240-50090-2

Laboratory: TestAmerica Canton

### Narrative

#### CASE NARRATIVE

Client: CBS Corporation

Project: Compton, CA

Report Number: 240-50090-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

#### RECEIPT

The samples were received on 05/01/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.1 C.

#### POLYCHLORINATED BIPHENYLS (PCBS)

Sample BK-CR-01 (240-50090-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 05/04/2015 and analyzed on 05/06/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: BK-CR-01 (240-50090-1). Reagents: 1975692,1848563 and 1931923

Sample BK-CR-01 (240-50090-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### PERCENT SOLIDS

## Case Narrative

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

---

### Job ID: 240-50090-2 (Continued)

---

#### Laboratory: TestAmerica Canton (Continued)

Sample BK-CR-01 (240-50090-1) was analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/05/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

## Method Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TestAmerica Canton

## Sample Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-50090-1	BK-CR-01	Solid	04/28/15 22:00	05/01/15 09:30

TestAmerica Canton

## Detection Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

Client Sample ID: BK-CR-01

Lab Sample ID: 240-50090-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	14000		4600	1300	ug/Kg	5	✱	8082	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton



# Client Sample Results

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

Client Sample ID: BK-CR-01

Lab Sample ID: 240-50090-1

Date Collected: 04/28/15 22:00

Matrix: Solid

Date Received: 05/01/15 09:30

Percent Solids: 96.9

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		4600	1700	ug/Kg	☼	05/04/15 07:49	05/06/15 09:40	5
Aroclor-1221	ND		4600	2300	ug/Kg	☼	05/04/15 07:49	05/06/15 09:40	5
Aroclor-1232	ND		4600	2800	ug/Kg	☼	05/04/15 07:49	05/06/15 09:40	5
Aroclor-1242	ND		4600	1500	ug/Kg	☼	05/04/15 07:49	05/06/15 09:40	5
Aroclor-1248	ND		4600	1100	ug/Kg	☼	05/04/15 07:49	05/06/15 09:40	5
Aroclor-1254	ND		4600	2000	ug/Kg	☼	05/04/15 07:49	05/06/15 09:40	5
Aroclor-1260	14000		4600	1300	ug/Kg	☼	05/04/15 07:49	05/06/15 09:40	5
Aroclor-1262	ND		4600	1400	ug/Kg	☼	05/04/15 07:49	05/06/15 09:40	5
Aroclor-1268	ND		4600	1800	ug/Kg	☼	05/04/15 07:49	05/06/15 09:40	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		29 - 151	05/04/15 07:49	05/06/15 09:40	5
DCB Decachlorobiphenyl	77		14 - 163	05/04/15 07:49	05/06/15 09:40	5

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	97		0.10	0.10	%			05/05/15 13:33	1
Percent Moisture	3.1		0.10	0.10	%			05/05/15 13:33	1

TestAmerica Canton

## Surrogate Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (29-151)	DCB1 (14-163)
240-50090-1	BK-CR-01	79	77
LCS 240-179084/23-A	Lab Control Sample	70	104
MB 240-179084/22-A	Method Blank	70	86
<b>Surrogate Legend</b>			
TCX = Tetrachloro-m-xylene			
DCB = DCB Decachlorobiphenyl			

TestAmerica Canton

# QC Sample Results

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-179084/22-A

Matrix: Solid

Analysis Batch: 179491

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179084

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	12	ug/Kg		05/04/15 07:49	05/06/15 11:51	1
Aroclor-1221	ND		33	16	ug/Kg		05/04/15 07:49	05/06/15 11:51	1
Aroclor-1232	ND		33	20	ug/Kg		05/04/15 07:49	05/06/15 11:51	1
Aroclor-1242	ND		33	11	ug/Kg		05/04/15 07:49	05/06/15 11:51	1
Aroclor-1248	ND		33	8.0	ug/Kg		05/04/15 07:49	05/06/15 11:51	1
Aroclor-1254	ND		33	14	ug/Kg		05/04/15 07:49	05/06/15 11:51	1
Aroclor-1260	ND		33	9.0	ug/Kg		05/04/15 07:49	05/06/15 11:51	1
Aroclor-1262	ND		33	10	ug/Kg		05/04/15 07:49	05/06/15 11:51	1
Aroclor-1268	ND		33	13	ug/Kg		05/04/15 07:49	05/06/15 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		29 - 151	05/04/15 07:49	05/06/15 11:51	1
DCB Decachlorobiphenyl	86		14 - 163	05/04/15 07:49	05/06/15 11:51	1

Lab Sample ID: LCS 240-179084/23-A

Matrix: Solid

Analysis Batch: 179491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179084

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	333	237		ug/Kg		71	62 - 120
Aroclor-1260	333	317		ug/Kg		95	56 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	70		29 - 151
DCB Decachlorobiphenyl	104		14 - 163

TestAmerica Canton

## QC Association Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

### GC Semi VOA

#### Prep Batch: 179084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50090-1	BK-CR-01	Total/NA	Solid	3540C	
LCS 240-179084/23-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-179084/22-A	Method Blank	Total/NA	Solid	3540C	

#### Analysis Batch: 179491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50090-1	BK-CR-01	Total/NA	Solid	8082	179084
LCS 240-179084/23-A	Lab Control Sample	Total/NA	Solid	8082	179084
MB 240-179084/22-A	Method Blank	Total/NA	Solid	8082	179084

### General Chemistry

#### Analysis Batch: 179415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50090-1	BK-CR-01	Total/NA	Solid	Moisture	

TestAmerica Canton

## Lab Chronicle

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

Client Sample ID: BK-CR-01

Lab Sample ID: 240-50090-1

Date Collected: 04/28/15 22:00

Matrix: Solid

Date Received: 05/01/15 09:30

Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			179084	05/04/15 07:49	CS	TAL CAN
Total/NA	Analysis	8082		5	179491	05/06/15 09:40	HMB	TAL CAN
Total/NA	Analysis	Moisture		1	179415	05/05/15 13:33	NJE	TAL CAN

### Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TestAmerica Canton

## Certification Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-50090-2

### Laboratory: TestAmerica Canton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8082	3540C	Solid	Aroclor-1016
8082	3540C	Solid	Aroclor-1221
8082	3540C	Solid	Aroclor-1232
8082	3540C	Solid	Aroclor-1242
8082	3540C	Solid	Aroclor-1248
8082	3540C	Solid	Aroclor-1254
8082	3540C	Solid	Aroclor-1260

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8082	3540C	Solid	Aroclor-1262
8082	3540C	Solid	Aroclor-1268
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

\* Certification renewal pending - certification considered valid.

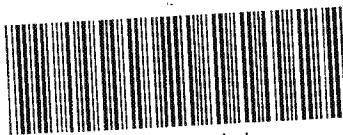
TestAmerica Canton

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

## CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-50090 Chain of Custody

TestAmerica Canton  
4101 Shuffel Street, N. H.

North Canton, OH 44720  
Phone: 330.497.9396 Fax: 330.497.0772

1.6/CA1

Chain of Custody Record

031651

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING  
TestAmerica Laboratories, Inc.  
TAL-9210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact		Project Manager: Dave Rykaczewski		Site Contact: Dave R.		Date:	
Company Name: WSP		Tel/Fax:		Lab Contact: Nate Pitaras		Carrier:	
Address: 750 Holiday Dr. #410		<input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS		Analysis Turnaround Time		COC No: 1 of 2 COCs	
City/State/Zip: Pittsburgh, PA 15220		TAT if different from below		Sample Type (C=Comp, G=Grab)		Sampler: Sarah Ferguson	
Phone: (412) 604-1040		<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sample Time		For Lab Use Only:	
Fax:		except when noted.		Sample Date		Walk-In Client:	
Project Name: CBS - Compton		Matrix		Sample Time		Lab Sampling:	
Site: CBS - Compton		# of Cont.		Sample Date		Job / SDG No.:	
PIO # 41949		Matrix		Sample Date		Sample Specific Notes:	
Sample Identification		Matrix		Sample Date		X Level IV data package	
EB-02-042815		G		04/28/15 1928		Perform MS / MSD (Y/N)	
BK-CR-01		B		04/28/15 2200		Filtered Sample (Y/N)	
WP-63		G		04/29/15 0016		3 DAY TAT.	
WP-64		G		04/29/15 0025		3 DAY TAT	
WP-65		G		4/29/15 0033		3 DAY TAT	
WP-66		G		4/29/15 0037		3 DAY TAT	
WP-67		G		4/29/15 0045		3 DAY TAT	
WP-68		G		4/29/15 0055		3 DAY TAT	
WP-69		G		4/29/15 0102		3 DAY TAT	
WP-70		G		4/29/15 0110		3 DAY TAT	
WP-71		G		4/29/15 0146		3 DAY TAT	
WP-72		G		4/29/15 0150		3 DAY TAT	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other: None.		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for <input type="checkbox"/> Months		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Possible Hazard Identification:		Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		Cooler Temp. (°C): Obs'd: Cor'd:		Therm ID No.:	
Special Instructions/QC Requirements & Comments:		Custody Seal No.:		Received by: [Signature]		Date/Time: 4/30/15 1338	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Company: WSP		Received by: [Signature]		Date/Time: 4/30/15 1338	
Relinquished by: [Signature]		Company: [Signature]		Received in Laboratory by: [Signature]		Date/Time: 4/30/15 14:46	
Relinquished by: [Signature]		Company: [Signature]		Received in Laboratory by: [Signature]		Date/Time: 4/30/15 14:46	
Relinquished by: [Signature]		Company: [Signature]		Received in Laboratory by: [Signature]		Date/Time: 4/30/15 14:46	





